

COLEOPTERA FOUND IN THE PADDY FIELDS OF THE NORTH TEMPERATE REGION OF JAPAN

By YOSHIAKI NISHIO

Hokkaido National Agricultural Experiment Station
Kotoni, Sapporo, Japan

Under the direction of Dr. S. Kuwayama, I have had a chance to investigate the insect fauna of the paddy fields of Hokkaido National Agricultural Experiment Station, which is located in the north temperate region of Japan, since the beginning of 1951. About twice a week, I collected all kinds of insects from the fields and found more than 110 species of Coleoptera. These beetles were of the families Cicindelidae, Carabidae, Haliplidae, Gyrinidae, Staphylinidae, Histeridae, Hydrophilidae, Coccinellidae, Heteroceridae, Anthicidae, Chrysomelidae, Curculionidae, and Scarabaeidae (dung beetles only).

In the following list, Staphylinidae, Histeridae and Scarabaeidae are omitted, owing to incomplete identification. It is needless to say that this list is an incomplete one, and many species, harmful or beneficial to the rice culture, will be added by future investigators.

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Family Cicindelidae

1. *Cicindela transbaicalica* Mots.

2. *Cicindela elisae* Mots. (The adults of this species were abundantly found on the foot paths of fields from June to September and larvae were observed commonly in their holes at the same place during the summer.)

Family Carabidae

1. *Omophron limbatus* Fabr.

2. *Calosoma maderae* Fabr. (I found only several adults. Perhaps they were attracted to light traps.)

3. *Dyschirius ovicollis* Putz.

4. *Clivina* sp.

5. *Bembidion niloticum* Dej.

6. *Bembidion articulatum* Panz.

7. *Bembidion paediscum* Bat.

8. *Bembidion morawitzi* Csik. (From May to October, the preceding three species of *Bembidion* were found abundantly. Fresh adults were observed in August and September.)

9. *Tachyta* sp.
10. *Dolichus halensis* Schall.
11. *Agonum impressus* Panz.
12. *Agonum magnum* Bat.
13. *Poecilus encololus* Solsk.
14. *Poecilus* sp.
15. *Pterostichus prolongatus* Moraw.
16. *Pterostichus thunbergi* Moraw.
17. *Pterostichus haptoderoides* japanense Lutsh.
18. *Amara chalcites* Dej.
19. *Amara* sp.
20. *Anisodactylus signatus* Ill.
21. *Harpalus capito* Moraw.
22. *Harpalus modestus* Dej.
23. *Harpalus* sp.
24. *Harpalus* sp.
25. *Harpalus* sp.
26. *Trichotrichus longitarsus* Moraw.
27. *Stenolophus propinquus* Moraw.
28. *Acupalpus lucidus* Moraw.
29. *Acupalpus castaneipennis* Bat.
30. *Chlaenius micans* Fabr.
31. *Chlaenius posticalis* Mots.
32. *Chlaenius pallipes* Gebl.
33. *Chlaenius variicornis* Moraw.
34. *Chlaenius circumdatus* Brull.
35. *Chlaenius inops* Chaud.
36. *Chlaenius xanthopleurus* Chaud.

Family Haliplidae

1. *Peltodytes intermedius* Sharp

Family Dytiscidae

1. *Noterus japonicus* Sharp
2. *Hyphydrus japonicus* Sharp
3. *Graptodytes natrix* Sharp
4. *Agabus japonicus* Sharp
5. *Rhantus pulverosus* Sharp
6. *Eretes sticticus* L.

7. *Hydaticus bowringi* Clark
8. *Hydaticus grammicus* Germ.
9. *Cybister japonicus* Sharp

Family Gyrinidae

1. *Dineutus orientalis* Mode

Family Hydrophilidae

1. *Berosus signaticollis punctipennis* Harld.
2. *Helochares striatus* Sharp
3. *Hydrophilus affinis* Sharp
4. *Hydrophilus libera* Sharp
5. *Hydrous acuminatus* Mots.

Family Coccinellidae

1. *Hippodamia trideimpunctata* L.
2. *Propylaea japonica* Thunb.

Family Anthicidae

1. *Notoxus daimio* Lew.

Family Chrysomelidae

1. *Lema oryzae* Kuwayama
2. *Crepidodera lewisi* Jacobson (I observed many adults of this species eating the pollen of rice plants.)

Family Curculionidae

1. *Echinocnemus squameus* Billb.

INSECTS OF MICRONESIA

The Pacific Science Board (National Research Council) has been sending entomologists to Micronesia for several seasons on an entomological survey program which is to be completed during 1952. Several museums (Chicago Natural History Museum, California Academy of Sciences, Museum of Comparative Zoology and Bishop Museum) have cooperated in mounting much of the material. Other institutions, such as the United States National Museum and Kyushu University (Japan), are helping by supplying unstudied material from Micronesia.

The above material is being distributed to many specialists for study, and the results are to be published at the Bishop Museum. Those interested in studying particular groups from Micronesia are requested to write to the undersigned at Pacific Science Board, c/o Bernice P. Bishop Museum, Honolulu 17, Hawaii.

J. LINSLEY GRESSITT